

OPERATIONS, SERVICE MANUAL & PARTS LIST

ADU-40CF



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Safety precautions

Warning - Improper application, adjustment or servicing can result in serious injury. Always disconnect power source before servicing.

Warning - Do not lean on the unit. Sink structure is not designed to support human weight.

Caution - To avoid the risk of burns do not adjust the storage tank temperature control above 120 deg. Fahrenheit.

Caution - Prevent from freezing. Purge system before storage to prevent damage to lines or pump.

Caution - To avoid damage to heating components, operate the unit only in the upright position

Introduction

Purpose

The ADU-40CF Command Air Portable Field Sink provides a practical water source for mobile medical and dental operations. Both warm and cold water are available for washing and instrument cleansing. Hands free operation makes surgical scrubs simple. The rigid stainless steel basin is durable and is easy to disinfect. And the accessory tray allows sink-side consolidation of all instruments. Light weight and compact size make the ADU-40CF easy to set-up and transport. To receive the best service and longest life from your Aseptico product, follow the instructions detailed in this manual.

Performance characteristics

Weight: 48 lb.

Size: 19 x 19 x 14 in. (external)

Sink flow rate: 0.68 gpm (2.2 lpm)

Max. pump discharge head: 8.3 ft (2.5 meters)

Pump self priming limit: 48 in. (1.2 meters)

Heating capacity: 1500 Watts

Tank capacity: 0.75 Gal. (2.9 Litre)

Peak water temp.: 106° F, ±7°F (41°C, ±4°C)

Items furnished

Sink unit, surgical, 120/230 Volt, 50/60 Hz, single phase.

Aluminum legs (4).

Intake and waste hoses.

Cold water, manual pump.

ON/OFF foot switch.

120V and 230V power cords.

Instrument tray (6 1/2 x 10 in.).

Grounding lug.

Alternate source regulator.

2 copies Operations/Service Manual.

Items not furnished

Jerry cans or alternate water supply.

Waste water Jerry can.

120/230, 50/60Hz, single phase electrical power supply.

Storage and handling precautions

Avoid freezing. To protect internal components, purge the sink's tank and lines prior to unattended periods in sub freezing conditions.

Preparations for use and installation instructions

After removal from its original packaging the ADU-40CF will include the following items:

Component Locations:

- 1 Sink assembly
- 1 MIL-Spec carry case
- 2 Operation & Service Manuals
- 3 Accessory pouches



Figure B - Legs



Figure A - Open Case

Pouch 1 (leg pouch, in lid)
Legs (4)



Figure C - Pouch 2

Pouch 2 (electronics pouch, in basin)
① 120V power cord
② 230V power cord
③ Foot switch
④ Instrument tray

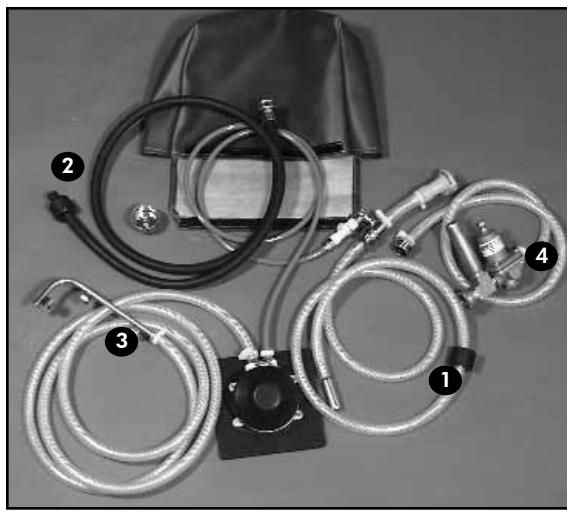


Figure D - Pouch 3

Pouch 3 (plumbing pouch, in basin)

- ① Intake hose assembly
- ② Waste hose assembly
- ③ Cold water pump assembly
- ④ Alternate source regulator assembly

Assembly

1. After removing the ADU-40CF Command Air Field Sink from its original packaging, unfasten all perimeter latches and remove the cover. Locate the three accessory pouches and lift the sink from the carry case. *Reference figure A*
2. Remove the four collapsible legs from the leg pouch and unfold. Make sure the locking dowel engages completely. Insert the legs into the guide tubes on the underside of the sink chassis and twist to engage the lock-pin and secure.
3. Raise the sink spout to the fully extended position.



Figure E - Spout Position

4. Remove the contents of the plumbing pouch. Attach the intake hose assembly to the quick connect, labeled "WATER IN" on the underside of the sink. Immerse the hose weight in the source jerry can (not provided) to the preset distance and secure the line using the attached push-on cap. *Reference figure F*
5. Attach the waste hose to the underside of the sink. Place the opposite end in a waste water jerry can (not provided). Secure the line using the push on cap. *Reference figure F*
6. If desired, attach the components of the cold water pump assembly to dispense cold water.
 - a) Unpack the manual foot pump and tubing assembly.
 - b) Attach the adapter spout to the sink spigot. *Reference figure G*
 - c) Place the foot pump on a level section of ground and attach the quick connect to the Y-connector of the intake hose assembly. Prime the lines by depressing the foot pump several times, until water flows into the sink. *Reference figure D*
7. Remove the contents of the electronics pouch. Attach the electric ON/OFF foot switch to the foot switch connector, labeled "FOOT CONTROL", on the underside of the sink. *Reference figure F*
8. Select the appropriate power cord for the power source. Connect the cord on the underside of the sink and secure it using the retaining clip connector. Plug the other end into the power source. The sink will operate on either a 120V or a 230V power supply. The green L.E.D. by the spout will light indicating power. *Reference figure F*
9. If desired, attach the instrument tray to either side of the sink. Secure the tray with the thumbscrews.
10. The ADU-40CF is constructed with full electrical protection; however, provisions have been made to attach an external ground rod (not provided) to a grounding stud on the underside of the sink. *Reference Figure F*

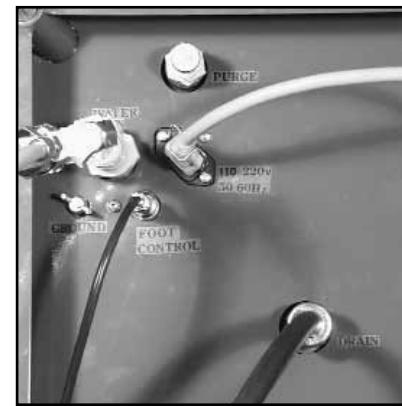


Figure F - Connections



Figure G - Spout Connection

Water Source Information

The ADU-40CF is designed to operate from jerry cans and from a variety of alternate water sources. If the ADU-40CF is to be used with an alternate water supply, the source will determine the required intake configuration. For operation from either a jerry can or a bladder water supply having a pressure between -2 psi and 10 psi (a supply height ranging from 4 ft. below to 23 ft. above the sink basin) appropriate flow rates can be generated by the sink's internal pump.

Connection to this type of source can be made using the existing intake tube or, if required, by disconnecting the lower section of the intake hose at the Y-connector and replacing it with the male end of a garden hose from the source. For connection to an established water source with an operating pressure above 5 psi, the regulator assembly is recommended. Attachment is performed by disconnecting the lower section of the intake hose at the Y-connector and replacing it with the

regulator assembly. *Reference figure H*

A line from the water supply having male garden hose threads can then be attached to the female side of the regulator assembly.

Note: The cold water foot pump should not be used in conjunction with a pressurized water source.

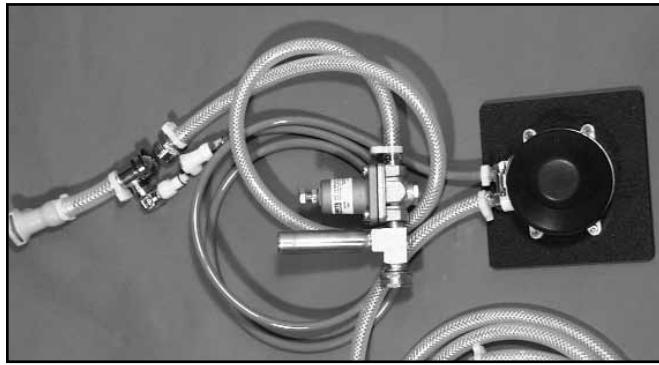


Figure H - Regulator Assembly

Principles Of Operation

Water Delivery System

The water delivery system consists of the main pump, the solenoid valve, the cold water foot pump and the alternate source regulator assembly. When the ON/OFF foot switch is depressed, the internal electric pump moves water through the tank where it is warmed. The solenoid valve serves as the flow control mechanism when the sink is operated from a pressurized water source. The solenoid valve is normally closed and is actuated by depressing the foot switch. The cold water foot pump manually delivers water from the source to the basin without warming. If required, the manual pump may be used to partially prime the intake line. To use a pressurized water supply the regulator assembly should be connected between the sink and the source. The regulator will reduce the water's flow to match the sink's heating capacity and will dampen the effects of system pressure fluxuation.

Heating System

The Heating System is composed of the tank, the extendible spout, the level switch, the control circuitry and the heating element. The tank is the reservoir for the water to be heated. The spout position determines the volume of water stored in the tank. And the level switch, located at the top of the tank, activates the heating element. To allow the level switch to actuate and begin the water warming process, the spout must be in the extended position. The orange L.E.D. by the spout will light to indicate that the tank is full and the warming processes is active. The control circuitry will stop the heating process when the water temperature reaches 106 deg. Fahrenheit (41 deg. Centigrade). Heating will resume when the water temperature falls below 97 deg. Fahrenheit (36 deg. Centigrade).

Note: Operation with the tank in a position other than its intended upright position, can cause the level switch to give a false water level indication. A dry run condition may result, potentially damaging the heating element. Only operate the unit with the tank upright and the spout in the extended position.

Operating instructions

Start-up procedure

Once the Set-Up is complete, prime the system by depressing the foot switch. Allow one and a half minutes for the internal tank to fill. Release the foot switch when water begins to flow from the spout. The orange L.E.D. by the spout will light when the tank has filled indicating that the heating element is active. The orange L.E.D. will go out when the tank water is warmed. If desired, prime the cold water line by depressing the foot pump several times until water flows into the sink.

To operate the sink depress the ON/OFF foot switch for warm water or the foot pump for cold water. Water will automatically be warmed as it flows through the internal water tank. The outlet temperature will vary with consumption and source temperature. As a general rule, a full tank of room temperature water will take two and a half to three minutes to warm to the shut off temperature of 106 deg. Fahrenheit (41 deg. Centigrade).

Waste Water Management

Fluid level in the waste container should be managed in such a way as to avoid overflow. This risk is minimal when operating from a jerry can. When operating from a source greater than the waste jerry can, care should be taken to monitor waste water level carefully.

Shut down procedures

1. Drain all water from the sink basin and clean the drain catch. Dry components before storage.
2. Drain and disconnect the cold water supply line and the drain hose. Use the manual pump to assist in draining the cold water supply line.
3. Disconnect the intake hose from the quick connect labeled "WATER IN" and reattach it to the quick connect labeled "PURGE". If the water in the reservoir is to be reclaimed, leave the weighted end of the intake hose in the source jerry can. Otherwise, purge the water in the tank to a waste water jerry can or the ground. **NOTE:** To avoid contamination, minimize intake hose contact with waste water.
4. When water stops flowing from the tank, depress the foot switch briefly while intermittently pressing upward on the nub of the "WATER IN" quick disconnect. This process will purge the pump and the internal supply lines. Release the foot switch when water ceases to flow from the intake hose.
5. Drain and disconnect the intake hose. Disinfect all hoses which have come into contact with waste water using a dilute bleach solution.
6. Store the intake, cold water and drain hoses along with the alternate source regulator in the plumbing pouch. Be sure to coil tubing carefully to avoid kinking. Dry components as thoroughly as possible before storage.
7. Disconnect the ON/OFF foot switch, power cord, and instrument tray. Store these items in the electronics accessories pouch.
8. Twist loose and remove the four sink legs. Fold and store them in the leg pouch.
9. Place the sink into the case with the sink sides aligned with the case handles. Store the plumbing and electrical pouches in the sink basin. Lower the sink spout.
10. Store the leg pouch in the lid. Place the lid and secure all perimeter latches. *Reference figure A*

Daily cleaning

All hoses which have come in contact with waste water during operation must be disinfected with a dilute bleach or equivalent solution, prior to storage. Disinfect exposed sink parts in accordance with conventional medical/dental practice.

Daily functional checklist

Observation of the following conditions will ensure that the ADU-40CF is functioning normally.

1. The green L.E.D. by the spout lights when the unit is connected to a power source.
2. The pump can be heard running when the ON/OFF footswitch is depressed.
3. The spout is fully extended.
4. When the tank is filled the orange L.E.D. lights indicating the heating element is operating.
5. Once primed the intake lines retain their water level when the pump is not operating.

Environmental Conditions

This laboratory equipment has received UL approval for use in the following range of environmental conditions:

Altitude: up to 2000 m

Temperature: 0 to 40°C

Maximum relative humidity: 80% for temperatures up to 31°C decreasing linearly to 50% at 40°C

Mains supply voltage fluctuations: not to exceed $\pm 10\%$ of the nominal voltage

Transient overvoltages: according to installation categories I, II, and III.

Transient overvoltages for mains supply: minimum and normal category is II

Pollution degrees: 1 and 2 in accordance with IEC 664.



Maintenance and Servicing Instructions

Cleaning and lubrication

The external surfaces of the ADU-40CF's chassis, spout, basin and accessory tray can be cleaned with a commercial dental disinfectant. Sink hoses contacting waste water must be disinfected after each session. To minimize the risk of corrosion, chlorine based cleaners should not be used to clean the interior of the water storage tank or the sink's legs. After a time the clear lines used in the plumbing may develop a milky mineral deposit. This scale can be reduced by flushing the lines with a dilute bleach or ammonium solution. External components will be sufficiently maintained by a cleaning regimen consistent with standard medical and dental practice. Internal components do not require lubrication or have special cleaning instructions.

Performance verification and Inspection

No specific inspection schedule needs to be maintained for this unit. Components have been selected for their maintenance free service life. The drain catch should be cleaned after each use. The particulate filter in the Y-connector should be checked and rinsed when water flow seems restricted or when pump operation is labored. Verifying that the following conditions are satisfied during operation will ensure proper function. These conditions should be verified as the final step of any major repair.

1. The green L.E.D. by the spout lights when the unit is connected to a power source.
2. The pump can be heard running when the ON/OFF footswitch is depressed.
3. The tank fills when the footswitch has been depressed for two minutes and the orange L.E.D. lights to indicate the heating element is operational.
4. The orange L.E.D. goes out when the peak water temperature of 106 degrees Fahrenheit (41 degrees Centigrade) is reached.
5. The orange L.E.D. relights and heating resumes when the heated water falls below a temperature of 97 degrees Fahrenheit (36 degrees Centigrade).
6. Once primed the intake lines retain their water level when the pump is not operating.

Troubleshooting

Problem	Cause	Action
Not drawing water, pump operating	No water source/intake tube above water line. Inline filter clogged Solenoid valve closed Pump seals	Add water to source/adjust intake hose Rinse or replace filter Replace Replace pump
Not drawing water, pump not operating	Fuse blown Diode	Inspect pump, replace if required Inspect control board, replace components or board as required
Reduced water flow rate	Clogged filter	Rinse filter
Not heating water, orange LED lit	Heating element fuse blown Heating element damaged	Inspect control board and heating element, replace components as necessary Replace element
Not heating water, orange LED not lit	Spout not raised Circuit board, thermal sensor Level sensor	Raise spout Inspect control board and components, replace as required Replace level sensor
Not heating water, green L.E.D. not lit	No system power	Check electrical source and connections.
Leak at spout	Seal failure	Replace seal
Water leak from sink bottom	Internal leak Tank	Remove basin and search for leak Tighten or replace clamps or tubing Tighten fittings

Disassembly, Repair & Replacement

Note: The unit should only be powered when it is in the upright position. Operation with the tank in an alternate position can damage the heating element by artificially indicating the presence of water.
Note: Before beginning any repair, be sure to disconnect the sink from the power source.

Access to internal components is gained by removing the spout guide and the sink chassis.

Spout guide removal

TOOLS: Channel lock pliers and 8 in. crescent wrench

1. Loosen the 1.75 in. hex nut at the base of the spout guide.
2. Remove the spout guide from the heating tank by wrenching on the hex at the top of the guide.
3. Lift the spout assembly out of the tank.
4. Replace by reversing steps.



Figure I - Spout Removal

Chassis removal

TOOLS: 1/8 hex drive or Allen wrench and a 5/16 open face wrench or crescent wrench

5. Loosen the eight screws located around the perimeter of the sink chassis.
6. Lift the sink chassis and locate the chassis ground lead and L.E.D. wiring. Remove L.E.D. wiring connector from the control board. If necessary, remove the ground lead from the sink chassis.
7. Reassemble by reversing steps.



Figure J - Ground

Once the interior of the sink has been accessed the following services can be performed:

Replacing fuses

The control board and heating element are protected by the 15A fuse and the pump is protected by the 2A fuse. Both these fuses are located on a bracket atop the solenoid valve. The fuses are not intended to be operator replaceable. A blown fuse is a symptom of a more serious problem with one of the parent components. Inspect the appropriate system elements before replacing fuses.

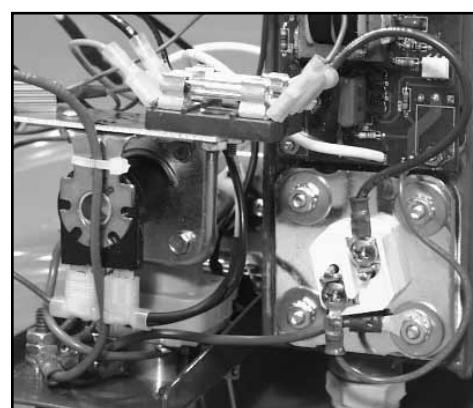


Figure K - Fuses

Replacing the heating element

TOOLS: Phillips screwdriver, 8 in. crescent wrench, and 1/8 hex drive or Allen wrench

1. Disconnect the heater ground and power leads at the heating element.
2. Loosen the hardware securing the heating element to the tank.
3. Pull the heating element from the tank and replace by reversing steps. If additional clearance is required, loosen the 4 screws on the underside of the chassis which secure the pump bracket. **Note:** The attachment of the power leads to the heating element does not require a specific wire orientation.



Replacing the level sensor

TOOLS: 8 in. crescent wrench

1. Trace the electrical leads to the control board and remove the sensor connector. Note the location of the mating connector on the board.
2. Note the orientation then unscrew the level sensor from the tank.
3. Install the new sensor making sure the peaked portion of the exposed fitting labeled N.O., normally open, is positioned upward. Attach the new electrical connector at the original board location.

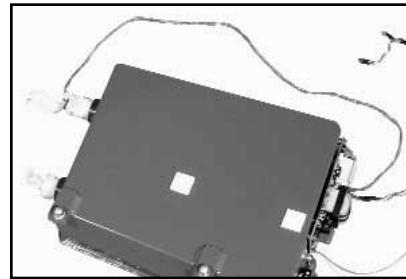


Figure M - Level Sensor

Replacing the electric intake pump

TOOLS: Pliers, 5/16 deep well socket or driver, and a flat blade screwdriver

1. Remove the snapper type clamp from each end of the pump by pushing its tabs in opposite directions. Use pliers to improve clamp manipulation. Work the tubing off each end of the pump.
2. Loosen the green retaining screw and remove the grounding wire from the pump.
3. Remove the two nuts which mount the pump to the bracket.
4. Trace and disconnect the pump wiring from the control board and the solenoid valve. Connect the new wires at the old locations.
5. Replace the pump and reassemble by reversing steps. Make sure that the flow direction arrow on the new pump points away from the solenoid valve.

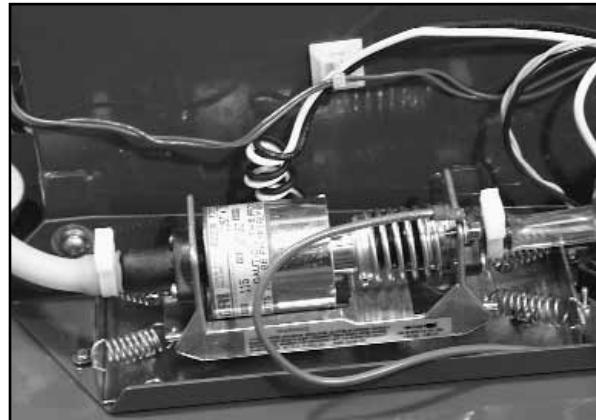


Figure N - Intake Pump

Replacing the electronics board

TOOLS: 1/4 open face wrench or crescent wrench, Phillips screwdriver, and pliers

1. Remove the board mounting hardware from each of the four corners of the control board.
2. Wire the new board by tracing the leads from the old board or by following the wiring schematic, *Reference figure Q*.
3. Secure the new control board in each corner with the mounting hardware.



Figure O - Electronics Board

Replacing the solenoid valve

TOOLS: Pliers, 1/4 socket, 5/64 hex drive or Allen wrench, and 8 in. crescent wrench

1. Remove the snapper type clamp from the end of the solenoid valve by pushing its tabs in opposite directions. Use pliers to improve clamp manipulation. Work the tubing off the end of the valve.
2. Loosen the solenoid ground lead.
3. Remove the fuse/resistor plate from the solenoid bracket. It is not necessary to disconnect the wiring.
4. Disconnect the two flag terminals. **Note:** When reattaching, the flag terminals do not require specific valve tab orientation.
5. Remove the “WATER IN” quick disconnect from the underside of the chassis base.
6. Remove the four screws holding the solenoid vale to the solenoid adapter.
7. Replace the solenoid valve and reassemble by reversing steps.

Replacing spout guide seals Reference Figure I

TOOLS: Needle nose pliers, small screw driver or dental instrument

1. Remove the spout from the tank as per Spout Guide Removal.
2. Push out the roll pin at the base of the spout
3. Remove the spout from the spout guide.
4. Using a small screwdriver, lift the o-ring from its groove in the interior of the spout guide.
5. Replace the o-ring and reassemble by reversing steps. Be careful not to deform the spout tube when reinstalling the roll pin.

Preparation for shipment and long term storage

No special preparations are required for shipment or long term storage. However, proper completion of all steps of the Shut-Down Section is important. The sink’s polypropylene case is internally gasketed to be water tight. Moisture trapped in the case may promote bacteria growth in hot storage conditions and residual water may damage plumbing components in freezing conditions. Be sure to purge the system completely. Disinfect and dry all hoses and external surfaces thoroughly.

Storage of sink components in their proper pouches and locations will best protect them from damage caused by shifting in transport.

After periods of extended storage, cleanse as per the instruction in Cleaning and Lubrication Section.

Figure Q - Wiring Schematic

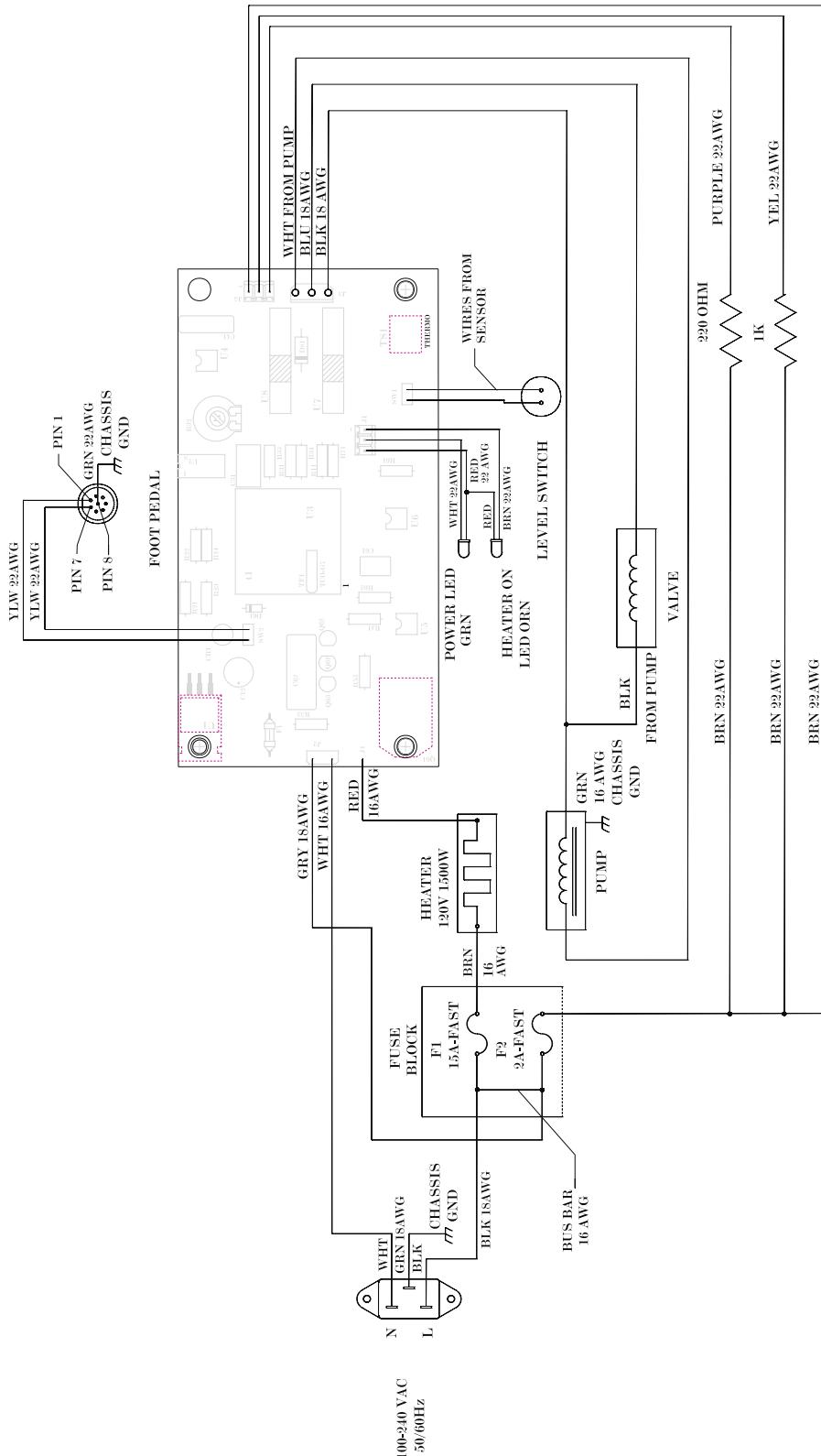
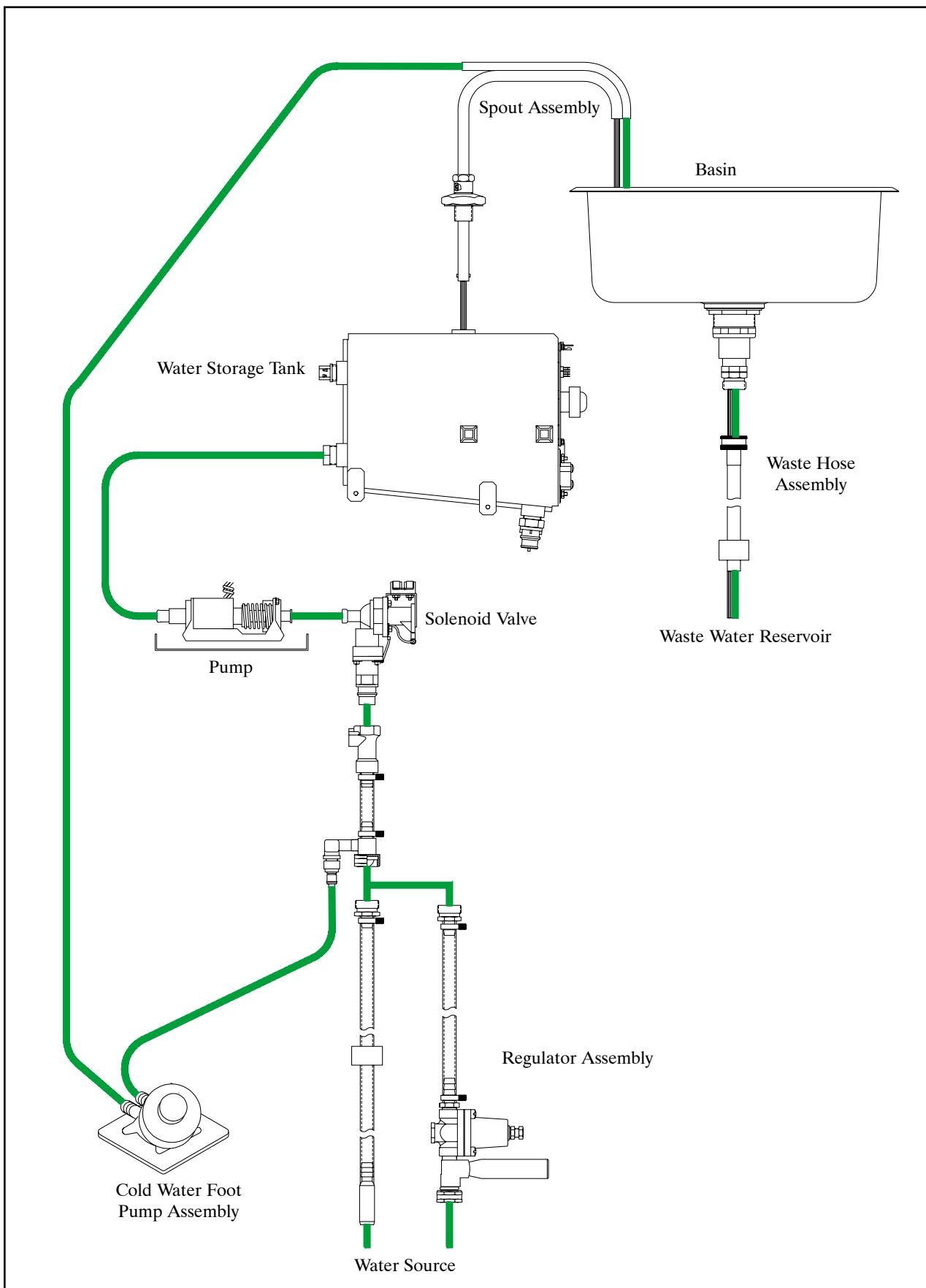


Figure R - Plumbing Schematic



Itemized Parts List

Reference Figure 1 - Sink

Figure and Index Number	Part Number	Quantity	Part Name (or Description)
1-1	330280	1	Basin
1-2	730291	1	Sink drain assembly
1-3	330290	1	Drain adapter
1-4	460862	1	Gasket, drain adapter
1-5	330247-08	1	Sink chassis
1-6	510019	8	Washer, nylon, .196IDx.437ODx.062
1-7	Commercial	4	Washer, flat, #10, Stnl
1-8	Commercial	4	Nut, Nyloc, 10-24, Stnl
1-9	850013	2	LED holder

Reference Figures 2A & 2B - Pump

Figure and Index Number	Part Number	Quantity	Part Name (or Description)
2-1	330279	1	Chassis base
2-2	Commercial	12	Screw, buttonhead socket, 10-32x3/8, Stnl
2-3	Commercial	3	Washer, star, internal, #10, Stnl
2-4	460822-08	1	Pump bracket
2-5	875017	1	Pump w/ wiring assembly
2-6	510428	4	Nut, hex, 8-32, Stnl
2-7	510429	2	Washer, split, #8, Stnl
2-8	875020	1	Pump ground wire
2-9	875021	1	Chassis ground wire
2-10	730391	0.35 ft	Tubing, latex, 3/8IDx1/2OD
2-11	730288	1.2 ft	Tubing, PVC, 3/8IDx1/2OD
2-12	510446	2	Clamp, hose, snapper type, .453/.546
2-13	460845	1	Solenoid valve
2-14	460846	1	Solenoid valve adapter
2-15	730275	1	Quick disconnect, male x 1/2 NPT(M)
2-16	510452	1	Nut, stnl, wing, 10-32
2-17	460860	1	Resistor/fuse plate
2-18	510426	2	Clamp, hose, snapper type, .513/.586
2-19	875015	1	Power receptacle w/ wiring
2-20	860121	1	Clip, connector retaining
2-21	875016	1	Footswitch connector w/ wiring
2-22	460859	1	Fuse holder, double
2-23	Commercial	4	Nut, keps, 6-32, Stnl
2-24	830065	1	Fuse, pump, 2A-250V,1/4- 1 1/4, FAS
2-25	830062	1	Fuse, heater, 15A-250V,1/4- 1 1/4, FAS
2-26	330294	1	Resistor assembly
2-27	Commercial	2	Nut, 6-32, Stnl
2-28	Commercial	1	Nut, Jam, 10-32, Brass

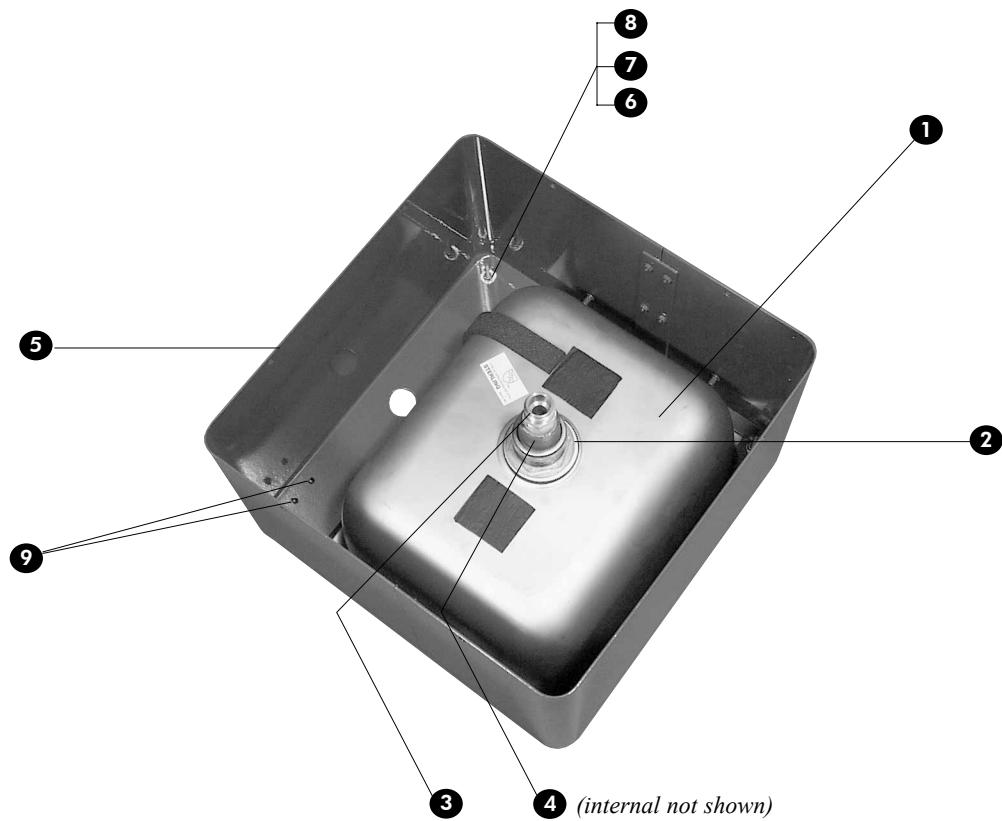


Figure 1 - Sink

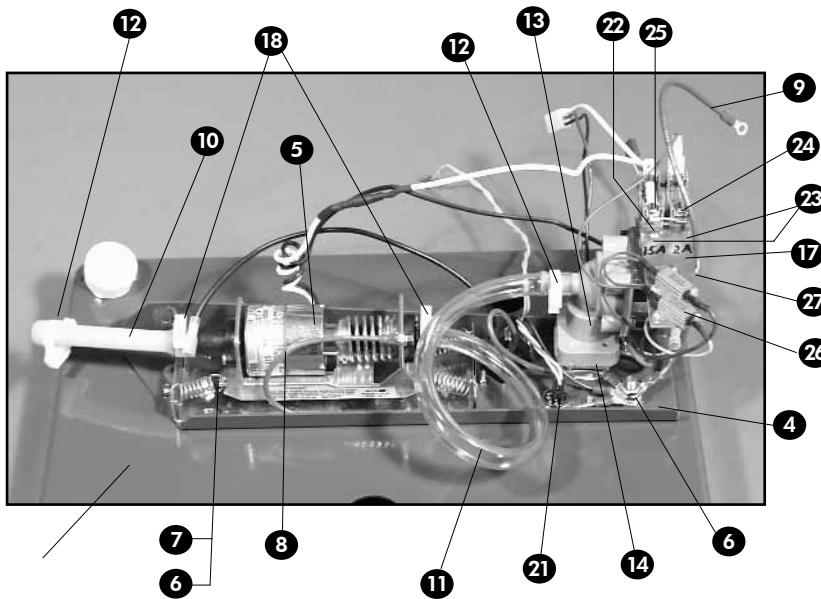


Figure 2A - Pump

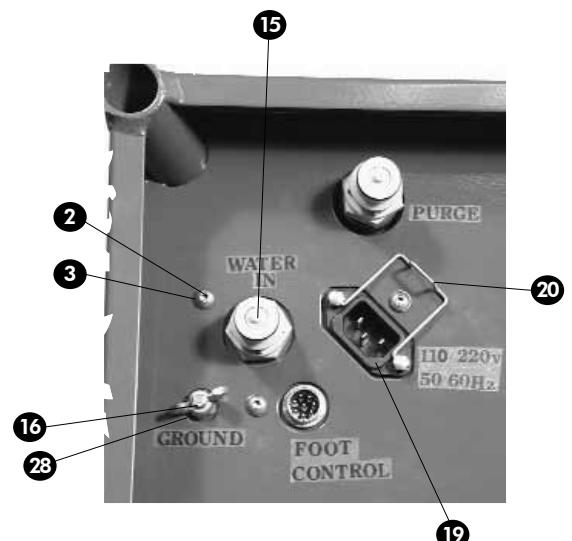


Figure 2B - Pump

Reference Figure 3 - Tank

Figure and Index Number	Part Number	Quantity	Part Name (or Description)
3-1	330293-08	1	Water heater tank
3-2	510019	4	Washer, nylon, .196IDx.437ODx.062
3-3	Commercial	2	Screw, buttonhead socket, 10-32x1/2, Stnl
3-4	Commercial	2	Washer, star, int., #10, Stnl
3-5	510447	2	Washer, flat, #10, Stnl
3-6	330243	1	PC board assembly
3-7	Commercial	4	Washer, flat, #4, Stnl
3-8	Commercial	4	Nut, hex, 4-40, Stnl
3-9	Commercial	4	Washer, split, #4, Stnl
3-10	875018	1	Level sensor w/ wiring
3-11	730392	1	Heating element
3-12	875019	1	Heater power wire assembly
3-13	Commercial	4	Washer, flat, #10, Stnl
3-14	Commercial	4	Washer, star, int., #10, Stnl
3-15	Commercial	4	Nut, hex, 10-32, Stnl
3-16	730275	1	Quick disconnect, male x 1/2 NPT(M)
3-17	730393	1	Elbow, 90 deg., 3/8 barb x 1/2 NPT, polypro
3-18	510206	2	Mount, tie wrap
3-19	Commercial	4	Tie wrap, 4 in.
3-20	875014	1	LED assembly
3-21	875022	1	Heater ground assembly

Reference Figure 4 - Spout

Figure and Index Number	Part Number	Quantity	Part Name (or Description)
4-1	460728	1	Spout
4-2	510443	1	Pin, spring, 1/8ODx5/8, Stnl
4-3	520052	2	O-ring,
4-4	460726-08	1	Spout guide
4-5	460823-08	1	Spout guide nut

Reference Figures 5A & 5B

Figure and Index Number	Part Number	Quantity	Part Name (or Description)
5-1	330250	4	Sink leg
5-2	410127	1	Leg pouch
5-3	730290	0	leg tip, rubber, 7/8 ID
5-4	330246	1	Accessory tray
5-5	510325	0	Thumbscrew, accessory tray
5-6	AE-7P	1	Footswitch
5-7	840049	1	120V Power cord
5-8	840007	1	230V power cord
5-9	410130	1	Electrical components pouch

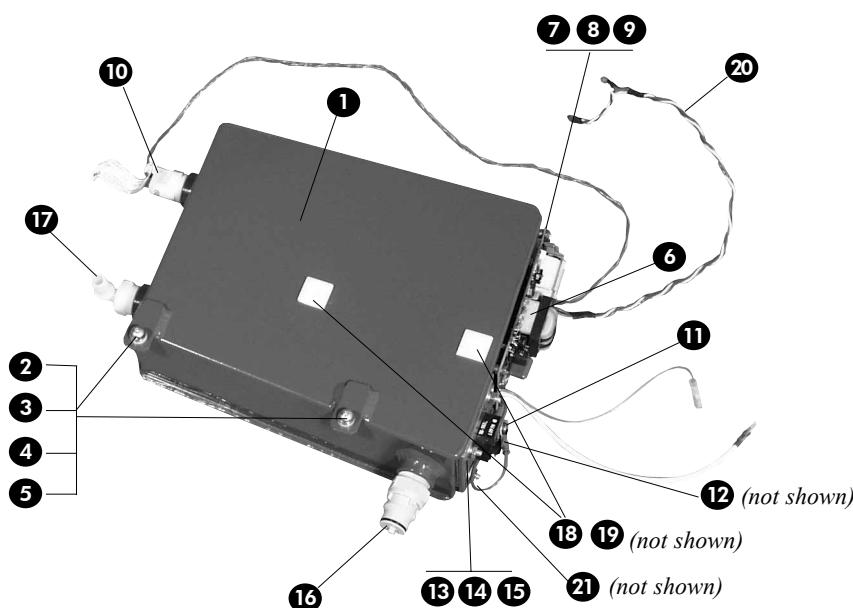


Figure 3 - Tank

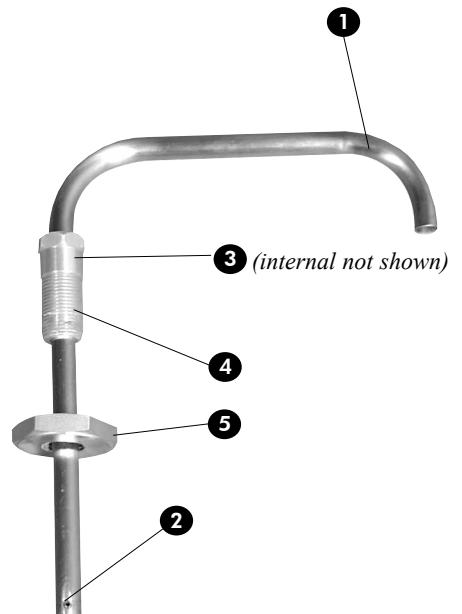


Figure 4 - Spout

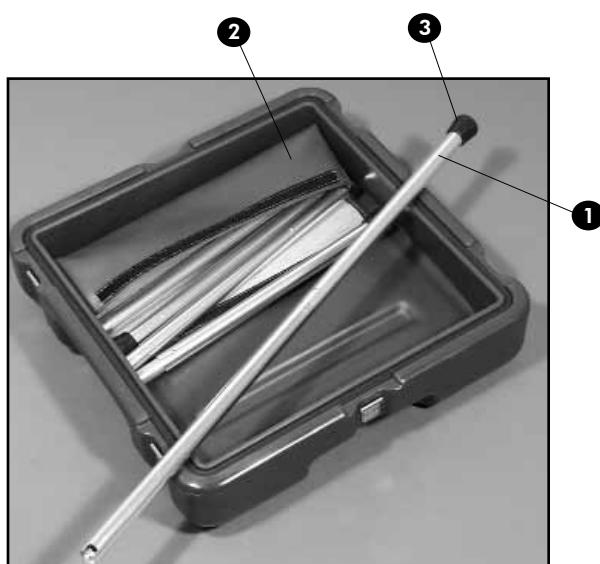


Figure 5A - Legs



Figure 5B - Dry Pouch

Reference Figures 6

Figure and Index Number	Part Number	Quantity	Part Name (or Description)
6-1	730274	1	Quick Disconnect, female x 1/2 barb
6-2	730405	0.25 ft	Tubing, vinyl, 3/4 ODx1/2 ID, braid
6-3	510449	3	Clamp, hose, snapper style, .702/.801
6-4	330289-08	1	Y-connector, intake hose
6-5	730404	5 ft.	Tubing, vinyl, 19/32 Odx3/8 ID, braid
6-6	730395	1	Strainer
6-7	730399	1	Quick disconnect, cold water line, male
6-8	730396-08	1	Fitting, male hose x 1/2 barb
6-9	460843-08	1	intake hose weight
6-10	460842	2	Push-on cap
6-11	730295	1	waste hose
6-12	410131	1	Plumbing Components Pouch

Reference Figures 7

7-1	460710	1	Foot pump base
7-2	730280	1	Foot pump
7-3	730410-08	1	Fitting, 3/8 NPTx3/8 barb
7-4	730407-08	1	Fitting, 3/8 NPTx1/4 barb
7-5	Commercial	4	Bolt, Flathead, Phillips, 6-32x1/2, Stnl
7-6	Commercial	4	Nut, hex, 6-32, Stnl
7-7	460724	1	Adapter spout, cold water
7-8	510424	1	Clamp, hose, 2 13/16-3 3/4
7-9	510448	2	Clamp, hose, snapper style, .569/.650
7-10	510450	1	Clamp, hose, snapper style, .351/.394
7-11	730312	5 ft	Tubing, 3/8OD, grey, poly
7-12	730404	8 ft	Tubing, vinyl, 19/32 ODx3/8 ID, braid
7-13	730398	1	Quick disconnect, cold water, female

Reference Figures 8

8-1	730403	1	Regulator
8-2	Commercial	1	Screw, hexhead, 3/8-24x1, stnl
8-3	730396-08	1	Fitting, grdn hose x 1/2 barb
8-4	730404	3 ft.	Tubing, vinyl, 19/32 Od x 3/8 ID, braid
8-5	510448	1	Clamp, hose snapper, .569/.650
8-6	510449	1	Clamp, hose snapper, .702/.801
8-7	730410-08	1	Fitting, 3/8 NPTx3/8 barb
8-8	330292	1	Arrester assembly

9-1	410124-08	1	ADU-40CF Case
9-2	420203	2	ADU-40CF Manual

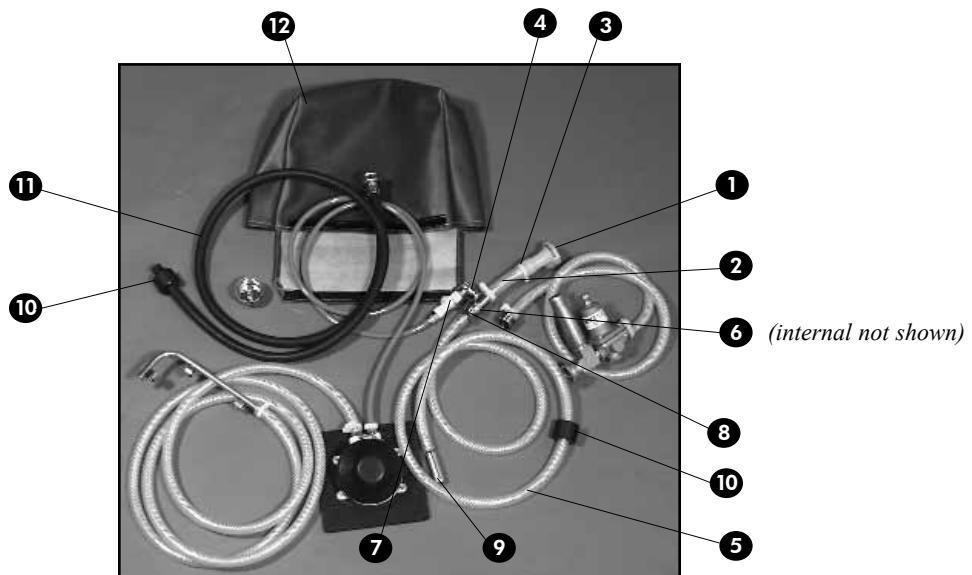


Figure 6 - Wet Pouch

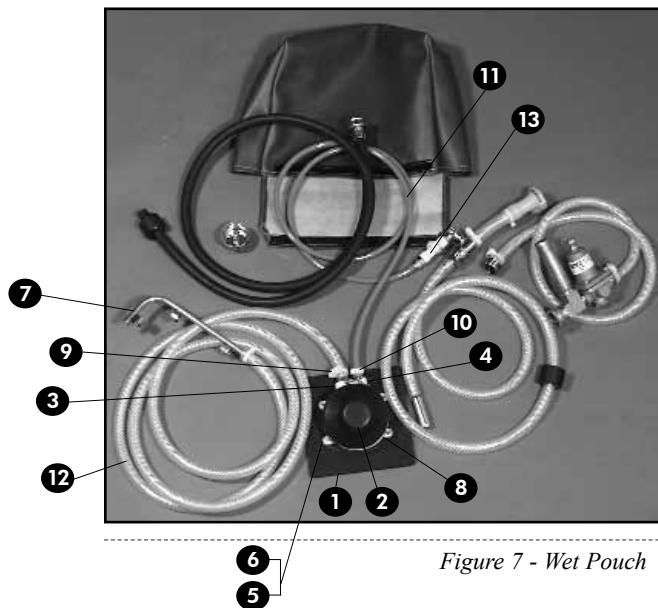
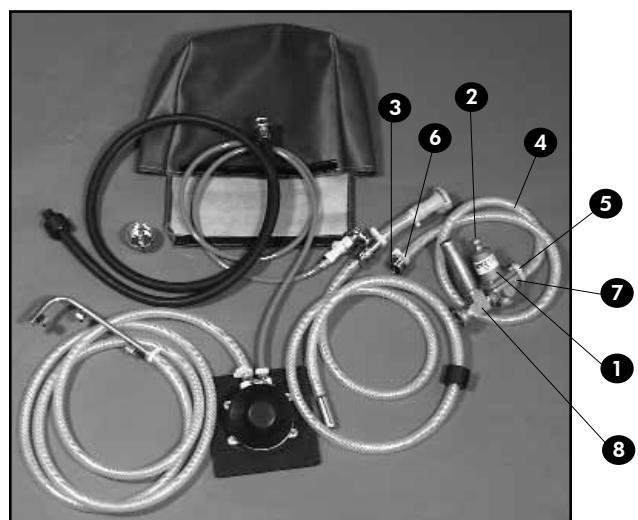


Figure 7 - Wet Pouch



NOTES

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